

**Cd248 Antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI14478****Specification**

---

**Cd248 Antibody - middle region - Product Information**

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| Application       | WB                                                      |
| Primary Accession | <a href="#">O91V98</a>                                  |
| Other Accession   | <a href="#">NM_054042</a> , <a href="#">NP_473383</a>   |
| Reactivity        | Human, Mouse, Rat, Rabbit, Bovine, Guinea Pig, Dog      |
| Predicted         | Human, Mouse, Rat, Rabbit, Pig, Bovine, Guinea Pig, Dog |
| Host              | Rabbit                                                  |
| Clonality         | Polyclonal                                              |
| Calculated MW     | 82kDa KDa                                               |

**Cd248 Antibody - middle region - Additional Information****Gene ID** 70445**Alias Symbol** **2610111G01Rik, AI842296, Cd164l1, Tem1**  
**Other Names**  
Endosialin, Tumor endothelial marker 1, CD248, Cd248, Tem1**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-Cd248 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

Cd248 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**Cd248 Antibody - middle region - Protein Information****Name** Cd248**Synonyms** Tem1**Function**Cell surface glycoprotein involved in various biological processes including angiogenesis, immune response modulation, and tissue remodeling and repair (PubMed:[11489895](http://www.uniprot.org/citations/11489895), PubMed:[25243742](http://www.uniprot.org/citations/25243742), PubMed:[38061240](http://www.uniprot.org/citations/38061240)). Participates

in pericyte proliferation through positive modulation of the PDGF receptor signaling pathway (PubMed:<a href="http://www.uniprot.org/citations/30986375" target="\_blank">30986375</a>). Acts as a scaffold for factor X, triggering allosteric changes and the spatial re-alignment of factor X with the TF-factor VIIa complex, thereby enhancing coagulation activation (PubMed:<a href="http://www.uniprot.org/citations/33830628" target="\_blank">33830628</a>). Modulates the insulin signaling pathway by interacting with insulin receptor/INSR and by diminishing its capacity to be autophosphorylated in response to insulin (PubMed:<a href="http://www.uniprot.org/citations/38061240" target="\_blank">38061240</a>). Also regulates LPS-induced inflammatory responses in macrophages by favoring production of proinflammatory cytokines (PubMed:<a href="http://www.uniprot.org/citations/33737161" target="\_blank">33737161</a>).

#### **Cellular Location**

Membrane; Single-pass type I membrane protein

#### **Tissue Location**

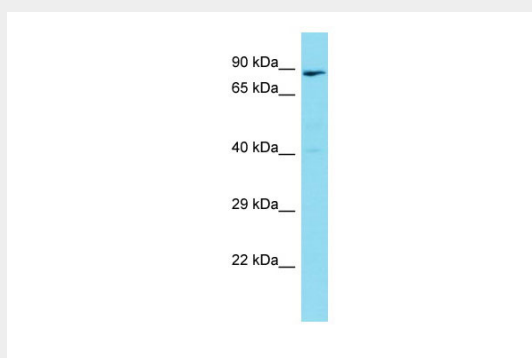
Expressed in cell lines derived from endothelial cells, embryonic fibroblasts and preadipocytes (PubMed:11489895) Expressed in skeletal muscle by a subset of pericytes (PubMed:25243742).

### **Cd248 Antibody - middle region - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Cd248 Antibody - middle region - Images**



Host: Rabbit  
Target Name: Cd248  
Sample Tissue: Mouse Thymus lysates  
Antibody Dilution: 1.0µg/ml

### **Cd248 Antibody - middle region - References**

Carson-Walter E.B.,et al.Cancer Res. 61:6649-6655(2001).  
Opavsky R.,et al.J. Biol. Chem. 276:38795-38807(2001).

Carninci P.,et al.Science 309:1559-1563(2005).